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Complete if Known						
Application Number	09/800,735					
Filing Date 3/7/2001						
First Named Inventor McKinnon, III, Martin W						
Group Art Unit	2663					
Examiner Name	D Ferris A					
Attorney Docket Number	10263-33243					

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				U.S. PATENT DOCL	JMENTS		99
Examiner Initials	Cite No.1	Mumbor	ument d Code <sup>2</sup> known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Cellin
Dut	l l	5,857,193		Sutcliffe et al.	01/01/1999	-	
at	2	5,935,218	1-1	Beyda et al.	08/10/1999	_	_
OF OF	3	5,963,963	-	Schmuck et al.	10/05/1999	-	
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₹	Sheet	2	of	2	Attorney Docket Number	10263-33243	•

		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS		
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Dut	4	Data-Over-Cable Service Interface Specifications; Radio Frequency Interface Specification; SP-RF1v1104-00047 Interim Specification; 2000 Cable Television Laboratories, Inc. Pages 229-231, 263; 121-141; 157-217; and 277-283.	1601	1
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	First Named Inventor	McKinnon et al.	78 🏻	
,	Group Art Unit	7603	⋾⋞≣	弎
(use as many sheets as necessary)	Examiner Name	D Ferris	<b>30</b>	

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101/-	A	5,491,694		Oliver et al.	02/13/1996	-
D/+	В	5,581,555		Dubberly et al.	12/03/1996	
00	С	5,594,726		Thompson et al.	01/14/1997	
pr	D	5,757,801	-	Arimilli	05/26/1998	_
DV-	E	5,790,546	-	Dobbins et al.	08/04/1998	-
25	F	5,956,342	-	Manning et al.	09/21/1999	-
as	G	5,963,557		Eng	10/05/1999	~
ክል 1	Н	6,046,980	-	Packer	04/04/2000	
0		6,084,855	-	Soirinsuo et al.	07/04/2000	
Dri	ı	6,104,700	-	Haddock et al.	08/15/2000	
3(-	ĸ	6,115,390	-	Chuah	09/05/2000	
DW	L	5,719,872	-	Dubberly et al.	02/17/1998	
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		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> ( <i>if known</i> )	Applicant of Cited Document	Cited Document MM-DD-YYYY	Where Relevant Passages or Relevant Figures Appear	78
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			APPLICANT	First Named Inventor	McKinnon et al.	
				Group Art Unit	2663	
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Sheet	2	of	3	Attorney Docket Number	10263-33243	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS					
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DW	1	BEAUREGARD, BRIAN CONRAD, Overview of the Cable Modem, WPI Department of Electrical and Computer Engineering [online] Technologies Course Homepage, March 23, 1996 [Retrieved on 2000-12-18]. Retrieved from the Internet at	-		
		<url:http: bcbeau="" courses="" ee535="" hwk4cd="" hwk96="" nodel.html="" www.ece.wpi.edu="">.</url:http:>			
Or	2	WHITE, GERRY, Additions To Cable Spec Enable QoS [online] Article in Network World Fusion, June 19, 2000 [Retrieved on 2000-12-19].Retrieved from the Internet at <url:http: cgi-bin="" mailto="" www.nwfusion.com="" x.cgi=""></url:http:>	-		
Dr	3	RiverDelta Networks, RiverDelta Networks Executive To Discuss Advanced Quality Of Service Techniques At Cable-Tec Expo 2000 [online] Press Release, May 31, 2000 [Retrieved 2000-12-19]. Retrieved from the Internet at <url:http: pr053100html="" www.riverdelta.com="">.</url:http:>	_		
Or	4	RiverDelta Networks, RiverDelta Raises \$10 Million To Bring Enhanced Broadband Services To Next-Generation Cable Providers [online] Press Release, December 19,1999 [Retrieved 2000-12-19]. Retrieved from the Internet at <url:http: pr121399.html="" www.riverdelta.com="">.</url:http:>	_		
Dr	5	River Delta Networks, QoS: One HFC Network, Multiple Revenue Streams [online] White Papers, [Retrieved on 2000-12-19]. Retrieved from the Internet at <url:http: paper08.html="" whitepapers="" www.cabledatacomnews.com="">.</url:http:>	-		
N	6	Telecommunications Online, RiverDelta Networks (www.riverdelta.com) A One-Box MSA Solution [online] Newsletter article, July 2000 [Retrieved on 2000-12-10]. Retrieved from the Internet at <url:http: 200007="" 20000701.html="" products="" www.telecommagazine.com="">.</url:http:>	\		
Qw.	7	WHITE, GERRY, QoS: Enabling Multiple Services on Cable Networks, [online] Telecommunications Online Newsletter Article, October 2000 [Retrieved on 2000-12-19]. Retrieved from the Internet at <url:http: 200010="" issues="" qos_enabling.html="" tcs="" www.telecoms.mag.com="">.</url:http:>	-		
OH	8	International Engineering Consortium, How Cable Modems Work [online] Web ProForum Tutorial Course, August 3, 2000 [Retrieved on 2000-12-18]. Retrieved from the Internet at <url:http: cable_mod="" topic01.html?nest.x="34&amp;Next.y=20" tutorials="" www.iec.org="">.</url:http:>	-		
pr-	9	International Engineering Consortium, Cable Data System Features [online] Web ProForum Tutorial Course, August 3, 2000 [Retireved on 2000-12-18]. Retireved from the Internet at <url:http: cable_mod="" topic02.html="" tutorials="" www.iec.org="">.</url:http:>	-		
DK	10	International Engineering Consortium, Cable Data Network Architecture [online] Web ProForum Tutorial Course, August 3, 2000 [Retireved on 2000-12-18]. Retireved from the Internet at <url:http: cable_mod="" topic03.html="" tutorials="" www.iec.org="">.</url:http:>	1		

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	Application Number	To Be Assigned	
INFORMATION DISCLOSURE	Filing Date	Concurrently Herewith	
STATEMENT BY APPLICANT	First Named Inventor	McKinnon et al	
	Group Art Unit	2663	
(use as many sheets as necessary)	Examiner Name	D Ferris	
Sheet 3 of 3	Attorney Docket Number	10263-33243	

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No.¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	<b>T</b> 2		
Du	11	International Engineering Consortium, Cable Data Network Standards [online] Web ProForum Tutorial Course, August 3, 2000 [Retireved on 2000-12-18]. Retrieved from Internet at <url:http: cable_mod="" topic04.html?next.x="40&amp;Next.y=18" tutorials="" www.iec.org="">.</url:http:>	,		
Dr.	12	OSTERGAARD, ROLF V., Cable-Modems.Org: Your Cable Modem Reference Guide, [online] Tutorial 1998-2000 [Retrieved on 2000-12-18]. Retrieved from Internet at <url:http: tutorial="" www.cable-modems.org="">.</url:http:>	,		
W-	13	Time Warner Cable, Road Runner Subscription Agreement, January 1999, Pages 1-4.	-		
DS	14	WHITE, GERRY, Eliminating Open Access Technology Barriers [online] Telecommunications Online Newsletter Article , July 2000 [Retireved on 2000-12-10]. Retrieved from the Internet at <url:http: 200007="" elimin.html="" issues="" tcs="" telecommagazine.com="">.</url:http:>	-		
Du	15	GREEN, TIM, DSL Has A Secret [online] Network World Fusion Article, March 2, 1999 [Retireved on 2000-12-22]. Retireved from the Internet at <url:http: 02="" 9903="" cnn.com="" computing="" dslsecretlidg="" tech=""></url:http:> .	-		
W	16	Cable Television Laboratories, Inc., Cable Data Modern Performance Evaluation: A Primer For Non-Technical Readers, November 15, 1996, Pages 1-8	-		
Dr	17	RiverDelta Networks Inc., QoS: The Key To Maximizing Revenue: A Technical Guide for Cable Operators (online) PDF Document, Publication Date Unknown [Retrieved on 2000-12-18]. Retrieved from Internet at <url:http: www.riverdelta.com="">, Pages 1-8.</url:http:>	-		
M	18	Cable Television Laboratories, Inc., Cable Data Modem Performance Evaluation: A Primer For Non-Technical Readers, April 1996, Pages 1-3.	1		
W-	19	ddri Diversified Data Resources, Inc., ACE-SNMP Web Based SNMP Network Management System An Introductory Overview of SNMP, 1999. <url:http: www.ddri.com=""> Pages 1-32.</url:http:>			
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